

Converting Colors

XYZ(37.1751, 44.5697, 67.5033)

Have a look what the booklet for
XYZ(37.1751, 44.5697, 67.5033)
contains.

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Color

**XYZ(37.2238, 44.5415,
67.6082)**

Conversions

Conversions Part 1

Format	Color
Hex	77BCD2
RGB	119, 188, 210
RGB Percent	47%, 74%, 82%
CMY	0.5333, 0.2627, 0.1765
CMYK	0.43, 0.10, 0.00, 0.18
HSL	195°, 50%, 65%
HSV	195°, 43%, 82%
XYZ	37.2238, 44.5415, 67.6082
YIQ	169.8770, -48.1860, -7.7860

Conversions

Conversions Part 2

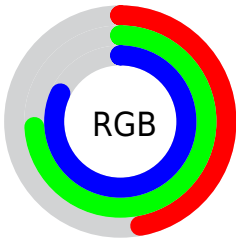
Format	Color
R _{YB}	119, 158, 210
Decimal	7847122
CIE Lab	72.59, -16.03, -17.89
CIE LCh	73, 24.019, 228.128
Yxy	44.5415, 0.2492, 0.2982
Android (android.graphics.Color)	4286037202 (0xFF77BCD2)
YUV	169.8770, 19.7806, -44.6191
Hunter-Lab	66.7394, -17.2359, -13.3442

Details

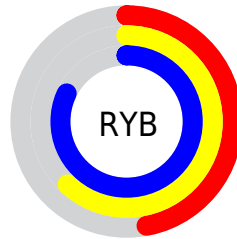
The XYZ color **37.2238, 44.5415, 67.6082** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.4338, 34.0841, 21.9545**, and the grayscale version is **38.0702, 40.0528, 43.6175**.

A 20% lighter version of the original color is **68.0799, 81.0353, 106.6609**, and **16.6303, 20.7513, 34.1392** is the 20% darker color. If you saturate the color by 10%, you get **33.5888, 41.0868, 67.1337**, and if you desaturate by 10%, it is **41.5365, 48.4042, 68.1273**.

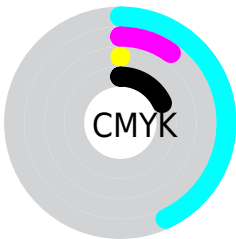
Distribution



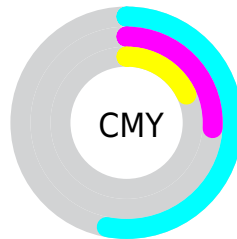
- Red (47%)
- Green (74%)
- Blue (82%)



- Red (47%)
- Yellow (62%)
- Blue (82%)



- Cyan (43%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (53%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2238, 44.5415, 67.6082 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.2238, 44.5415, 67.6082 by changing the saturation by 10% instead.

■ 37.2238, 44.5415,
67.6082

■ 37.2238, 44.5415,
67.6082

325.6172,
364.9134, 470.6669

■ 25.5553, 31.0964,
49.1144

■ 70.2285, 82.0320,
117.4404

■ 16.6222, 20.6723,
34.3440

■ 92.2953, 106.8461,
149.6158

■ 10.0591, 12.8847,
22.8785

■ 118.5590,
136.2188, 187.1888

■ 5.5007, 7.3492,
14.2993

149.3848,
170.5344, 230.5780

■ 2.5817, 3.6814,
8.1880

185.1382,
210.1772, 280.2018

■ 0.9366, 1.4970,
4.1260

226.1845,

■ 0.0000, 0.2866,

255.5318, 336.4789

1.6947

272.8890,
306.9824, 399.8278

■ 0.0000, 0.0000,
0.3571

■ 0.0000, 0.0000,
0.0000

■ 37.2238, 44.5415,
67.6082

■ 37.2238, 44.5415,
67.6082

■ 33.5888, 41.0868,
67.1337

■ 41.5365, 48.4042,
68.1273

■ 30.5844, 38.0122,
66.6986

■ 46.5616, 52.6904,
68.6897

■ 28.1642, 35.2943,
66.3016

■ 52.3364, 57.4209,
69.2984

■ 26.2729, 32.9040,
65.9399

■ 58.8943, 62.6133,
69.9550

■ 24.8440, 30.8062,
65.6103

■ 66.2664, 68.2843,
70.6611

■ 24.0716, 29.5303,
65.4047

■ 74.4824, 74.4498,
71.4181

■ 79.4051, 78.9774,
72.0326

■ 80.7863, 81.7397,
72.4930

■ 82.2085, 84.5841,
72.9670

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.1878, 44.5415, 55.9711



37.2238, 44.5415, 67.6082



40.7131, 44.5415, 74.5108

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.2238, 44.5415, 67.6082



50.6445, 44.5415, 53.3588



39.8980, 44.5415, 29.8419

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.2238, 44.5415, 67.6082



39.4338, 34.0841, 21.9545

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.0002, 44.5415, 29.3767



37.2238, 44.5415, 67.6082



50.3906, 44.5415, 41.7218

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.2238, 44.5415, 67.6082



48.5672, 44.5415, 65.4284



47.8947, 44.5415, 33.3781



36.6608, 44.5415, 34.7736

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.2238, 44.5415, 67.6082



43.4750, 44.5415, 74.8569



47.8947, 44.5415, 33.3781



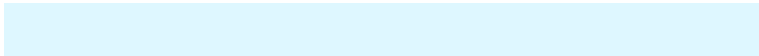
41.2158, 44.5415, 29.1914

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.2252, 44.5432, 67.6092



81.3848, 89.2390, 107.5432



35.4063, 51.9164, 33.0573



16.9684, 18.7365, 22.9721



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.2252, 44.5432, 67.6092



52.5057, 64.1327, 104.2192



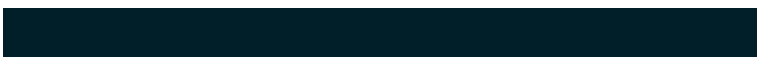
29.1043, 28.3015, 64.9023



11.9062, 12.9026, 15.1066



14.7649, 18.1763, 39.9227



0.8851, 1.1354, 2.2521

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.2534, 30.5274, 51.2441



61.5606, 40.6022, 74.3655



47.4119, 50.0402, 24.6138



12.1835, 11.9582, 14.2423



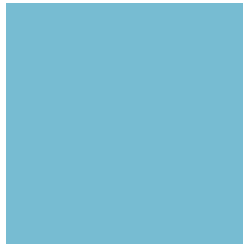
20.0834, 9.9062, 21.1429



1.1530, 0.5659, 1.3404

Previews

White Background



This preview shows how the XYZ color 37.2238, 44.5415, 67.6082 looks on a white background.

Color Contrast Check

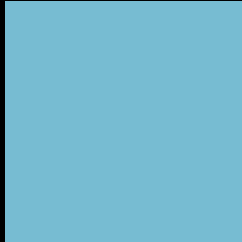
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.2238, 44.5415, 67.6082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

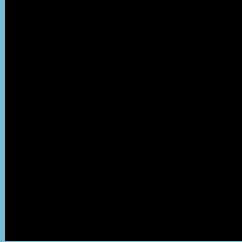
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2238, 44.5415, 67.6082

Background



This preview shows how black text looks on a background with the XYZ color 37.2238, 44.5415, 67.6082.



This preview shows how white text looks on a background with the XYZ color 37.2238, 44.5415,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.2238, 44.5415, 67.6082

Protanopia

43.4196, 44.1992, 62.1200

Deuteranopia

45.0853, 44.0383, 69.0748



Tritanopia

36.4328, 44.5367, 63.8030

Trichromacy



Original Color

37.2238, 44.5415, 67.6082

Protanomaly

40.4776, 43.8226, 64.0828

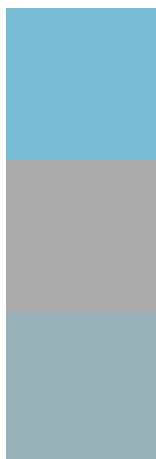
Deuteranomaly

41.5144, 43.6622, 68.5270

Tritanomaly

36.8094, 44.7030, 65.0810

Monochromacy



Original Color

37.2238, 44.5415, 67.6082

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.2416, 41.5264, 51.9515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2238, 44.5415, 67.6082 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(119, 188, 210)` looks like.

```
.text, #text, p{  
    color:rgb(119, 188, 210)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(119, 188, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 188, 210) }
```

Border

The CSS property to change the border of an element to XYZ 37.2238, 44.5415, 67.6082 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 188, 210) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(119, 188, 210) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(119, 188, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 188, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 188, 210);  
box-shadow:4px 4px 4px 4px rgb(119, 188,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2238, 44.5415, 67.6082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 188, 210) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(119,  
188, 210) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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